CRF Errors Corrected by the STIC System Branch

Serial Number: 09/903,376A

CRF Processing Date: 9/25/2002
Edited by:
Verified by: (STIC sta

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was wrapped down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

  _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

  _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

  _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

  _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

  _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other:

  _____

  _____

  _____

  _____

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

OIPE

RAW SEQUENCE LISTING DATE: 09/25/2002
PATENT APPLICATION: US/09/903,376A TIME: 18:38:05

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\09252002\I903376A.raw

```
 4 <110> APPLICANT: Brennan, Thomas J.
 6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING 5-HT-2B GENE
 7       DISRUPTIONS
 9 <130> FILE REFERENCE: R-599
11 <140> CURRENT APPLICATION NUMBER: US 09/903,376A
12 <141> CURRENT FILING DATE: 2001-07-10
14 <150> PRIOR APPLICATION NUMBER: US 60/218,358
15 <151> PRIOR FILING DATE: 2000-07-12
17 <150> PRIOR APPLICATION NUMBER: US 60/223,120
18 <151> PRIOR FILING DATE: 2000-08-07
20 <150> PRIOR APPLICATION NUMBER: US 60/223,122
21 <151> PRIOR FILING DATE: 2000-08-07
23 <160> NUMBER OF SEQ ID NOS: 4
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 1550
29 <212> TYPE: DNA
30 <213> ORGANISM: Mus musculus
32 <400> SEQUENCE: 1
33 actgtctgga actggactga gtcaccaaaa ggcgaatggc ttcatcttat aaaatgtctg 60
34 aacaaagcac aacttctgag cacattttac agaagacatg tgatcacctg atcctgacta 120
35 accgttctgg attagagaca gactcagtag cagaggaaat gaagcagact gtggagggac 180
36 aggggcatac agtgcactgg gcagctctcc tgatactcgc ggtgataata cccaccattg 240
37 gtgggaacat ccttgtgatt ctggctgttg cactggagaa aaggctgcag tacgctacca 300
38 actacttttt aatgtccttg gcgatagcag atttgctggt tggattgttt gtgatgccga 360
39 ttgccctctt gacaatcatg tttgaggcta tatggcccct cccactggcc ctgtgtcctg 420
40 cctggttatt cctcgatgtt ctcttttcaa ctgcctccat catgcatctc tgtgccattt 480
41 ccctggaccg ctatatagcc atcaaaaagc caattcaggc caatcagtgc aacacccggg 540
42 ctactgcatt catcaagatt acagtggtat ggttaatttc aataggcatc gccatcccag 600
43 tccctattaa aggaatcgag actgatgtga ttaatccaca caatgtcacc tgtgagctga 660
44 caaaggaccg ctttggcagt tttatggtct ttgggtcact ggctgctttc ttcgtacctc 720
45 tcaccatcat ggtagtcact tactttctca ccattcacac tttacagaag aaagcttact 780
46 tggtcaaaaa taagccacct caacgcctaa cacggtggac tgtgcccaca gttttcctaa 840
47 gggaagactc atccttttca tcaccagaaa aggtggcaat gctggatggg tctcacaggg 900
48 ataaaattct acctaactca agtgatgaga cacttatgcg aagaatgtcc tcagttggaa 960
49 aaagatcagc ccaaaccatt tctaatgagc agagagcctc gaaggccctt ggagtcgtgt 1020
50 ttttcctttt tctgcttatg tggtgccccc tttttattac aaatctaact ttagctctgt 1080
51 gtgattcctg caatcagacc actctcaaaa cactcctgga gatatttgtg tggataggct 1140
52 acgtttcctc gggggtgaat cctctgatct atacactctt caataagaca tttcgggaag 1200
53 catttggcag gtacatcacc tgcaattacc gagccacaaa gtcagtaaaa gcacttagga 1260
54 agttttccag tacactttgt tttgggaatt caatggtaga aaactctaaa tttttcacaa 1320
55 aacatggaat tcgaaatggg atcaaccctg ccatgtacca gagcccaatg aggctccgat 1380
56 gttcaaccat tcagtcctca tcaatcatcc tcctcgatac ccttctcact gaaaacgatg 1440
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gcgacaaagc ggaagagcag gtcagctaca tattgcagga acgggccggc ctcatcttga 1500
gagagggtga tgagcaggac gcacgcgcac catggcaggt tcaagagtga 1550
<210> SEQ ID NO: 2
<211> LENGTH: 504
<212> TYPE: PRT
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 2

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Met Ala Ser Ser Tyr Lys Met Ser Glu Gln Ser Thr Thr Ser Glu His
 1               5                  10                  15
Ile Leu Gln Lys Thr Cys Asp His Leu Ile Leu Thr Asn Arg Ser Gly
            20                  25                  30
Leu Glu Thr Asp Ser Val Ala Glu Glu Met Lys Gln Thr Val Glu Gly
        35                  40                  45
Gln Gly His Thr Val His Trp Ala Ala Leu Leu Ile Leu Ala Val Ile
    50                  55                  60
Ile Pro Thr Ile Gly Gly Asn Ile Leu Val Ile Leu Ala Val Ala Leu
65                  70                  75                  80
Glu Lys Arg Leu Gln Tyr Ala Thr Asn Tyr Phe Leu Met Ser Leu Ala
                85                  90                  95
Ile Ala Asp Leu Leu Val Gly Leu Phe Val Met Pro Ile Ala Leu Leu
            100                 105                 110
Thr Ile Met Phe Glu Ala Ile Trp Pro Leu Pro Leu Ala Leu Cys Pro
        115                 120                 125
Ala Trp Leu Phe Leu Asp Val Leu Phe Ser Thr Ala Ser Ile Met His
    130                 135                 140
Leu Cys Ala Ile Ser Leu Asp Arg Tyr Ile Ala Ile Lys Lys Pro Ile
145                 150                 155                 160
Gln Ala Asn Gln Cys Asn Thr Arg Ala Thr Ala Phe Ile Lys Ile Thr
                165                 170                 175
Val Val Trp Leu Ile Ser Ile Gly Ile Ala Ile Pro Val Pro Ile Lys
            180                 185                 190
Gly Ile Glu Thr Asp Val Ile Asn Pro His Asn Val Thr Cys Glu Leu
        195                 200                 205
Thr Lys Asp Arg Phe Gly Ser Phe Met Val Phe Gly Ser Leu Ala Ala
    210                 215                 220
Phe Phe Val Pro Leu Thr Ile Met Val Val Thr Tyr Phe Leu Thr Ile
225                 230                 235                 240
His Thr Leu Gln Lys Lys Ala Tyr Leu Val Lys Asn Lys Pro Pro Gln
                245                 250                 255
Arg Leu Thr Arg Trp Thr Val Pro Thr Val Phe Leu Arg Glu Asp Ser
            260                 265                 270
Ser Phe Ser Ser Pro Glu Lys Val Ala Met Leu Asp Gly Ser His Arg
        275                 280                 285
Asp Lys Ile Leu Pro Asn Ser Ser Asp Glu Thr Leu Met Arg Arg Met
    290                 295                 300
Ser Ser Val Gly Lys Arg Ser Ala Gln Thr Ile Ser Asn Glu Gln Arg
305                 310                 315                 320
Ala Ser Lys Ala Leu Gly Val Val Phe Phe Leu Phe Leu Leu Met Trp
                325                 330                 335
```

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```
108 Cys Pro Phe Phe Ile Thr Asn Leu Thr Leu Ala Leu Cys Asp Ser Cys
109             340                 345                 350
110 Asn Gln Thr Thr Leu Lys Thr Leu Leu Glu Ile Phe Val Trp Ile Gly
111         355                 360                 365
112 Tyr Val Ser Ser Gly Val Asn Pro Leu Ile Tyr Thr Leu Phe Asn Lys
113     370                 375                 380
114 Thr Phe Arg Glu Ala Phe Gly Arg Tyr Ile Thr Cys Asn Tyr Arg Ala
115 385                 390                 395                 400
116 Thr Lys Ser Val Lys Ala Leu Arg Lys Phe Ser Ser Thr Leu Cys Phe
117                 405                 410                 415
118 Gly Asn Ser Met Val Glu Asn Ser Lys Phe Phe Thr Lys His Gly Ile
119             420                 425                 430
120 Arg Asn Gly Ile Asn Pro Ala Met Tyr Gln Ser Pro Met Arg Leu Arg
121         435                 440                 445
122 Cys Ser Thr Ile Gln Ser Ser Ser Ile Ile Leu Leu Asp Thr Leu Leu
123     450                 455                 460
124 Thr Glu Asn Asp Gly Asp Lys Ala Glu Glu Gln Val Ser Tyr Ile Leu
125 465                 470                 475                 480
126 Gln Glu Arg Ala Gly Leu Ile Leu Arg Glu Gly Asp Glu Gln Asp Ala
127                 485                 490                 495
128 Arg Ala Pro Trp Gln Val Gln Glu
129             500
132 <210> SEQ ID NO: 3
133 <211> LENGTH: 200
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Targeting vector
140 <400> SEQUENCE: 3
141 tgagtgtctg gtgggtttgc taaatgcttt gctaaagcag atgacttgct tagctactga 60
142 ccatgctgac cactgtctgg aactggactg agtcaccaaa aggcgaatgg cttcatctta 120
143 taaaatgtct gaacaaagca caacttctga gcacatttta cagaagacat gtgatcacct 180
144 gatcctgact aaccgttctg                                           200
146 <210> SEQ ID NO: 4
147 <211> LENGTH: 200
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Targeting vector
154 <400> SEQUENCE: 4
155 ggcgatagca gatttgctgg ttggattgtt tgtgatgccg attgccctct tgacaatcat 60
156 gtttggtgag tatttcccct tgttcctgcc actgaacact actaacgtag tgaaatggac 120
157 actcactgac ctttattttg tttgaaataa aagaaggacc tggattaaaa acacagaagg 180
158 gaacattcct tcatttttca                                           200
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/903,376A

DATE: 09/25/2002
TIME: 18:38:07

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